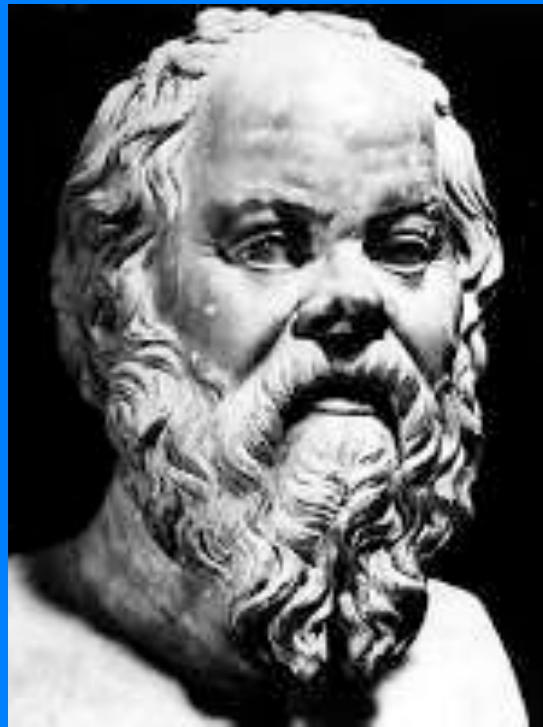


Σοκράτες



CERES SET
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Socrates:
Special Operations of CERES:
RAdiative Transfer
Experiment Sites

G. Louis Smith,
Z. Peter Szewczyk, Pam E. Mlynczak,
Tom Charlock, David Rutan and Fred Rose

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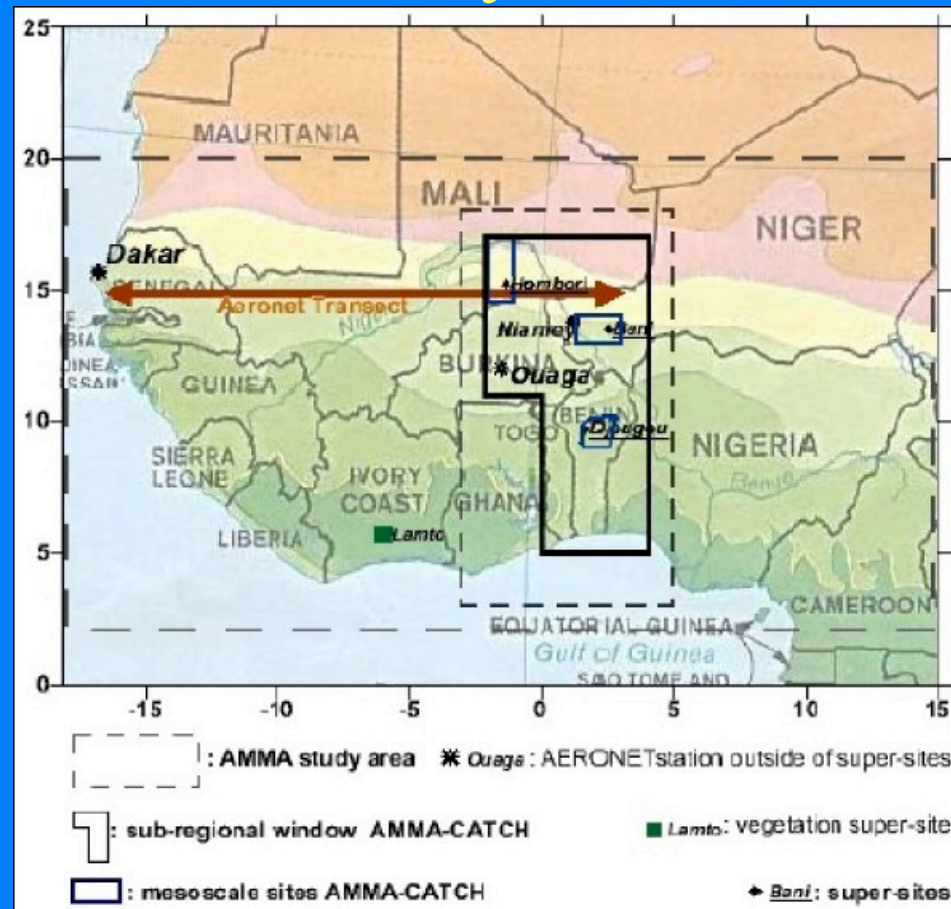
Special Operation Campaigns

- ScaRaB 2 Comparison
- Terra-Aqua CERES Comparisons
- GERB Comparisons since 2003
- Valencia Anchor Station:
- AMMA: Special Observing Period 2006

ARM Trailer moved to Niamey
for surface radiation observations.

AMMA:

African Monsoon Multidisciplinary Analysis



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Special Operations over AMMA

Mature Monsoon Phase:

July 11-14 for 17 min

July 17-21 for 20 min

July 24-28 for 20 min

Monsoon Receded

Nov 13-17 for 22 min

Nov 20-24 for 25 min

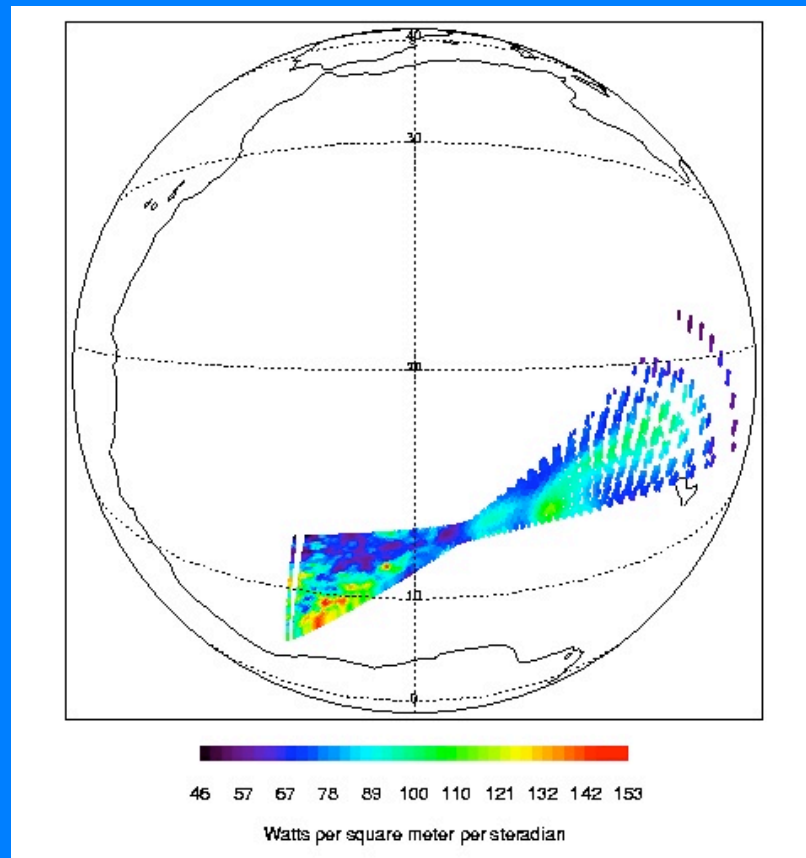
Nov 27- Dec 1 for 22

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CERES Special Operations: FM2 over Niamey (AMMA)

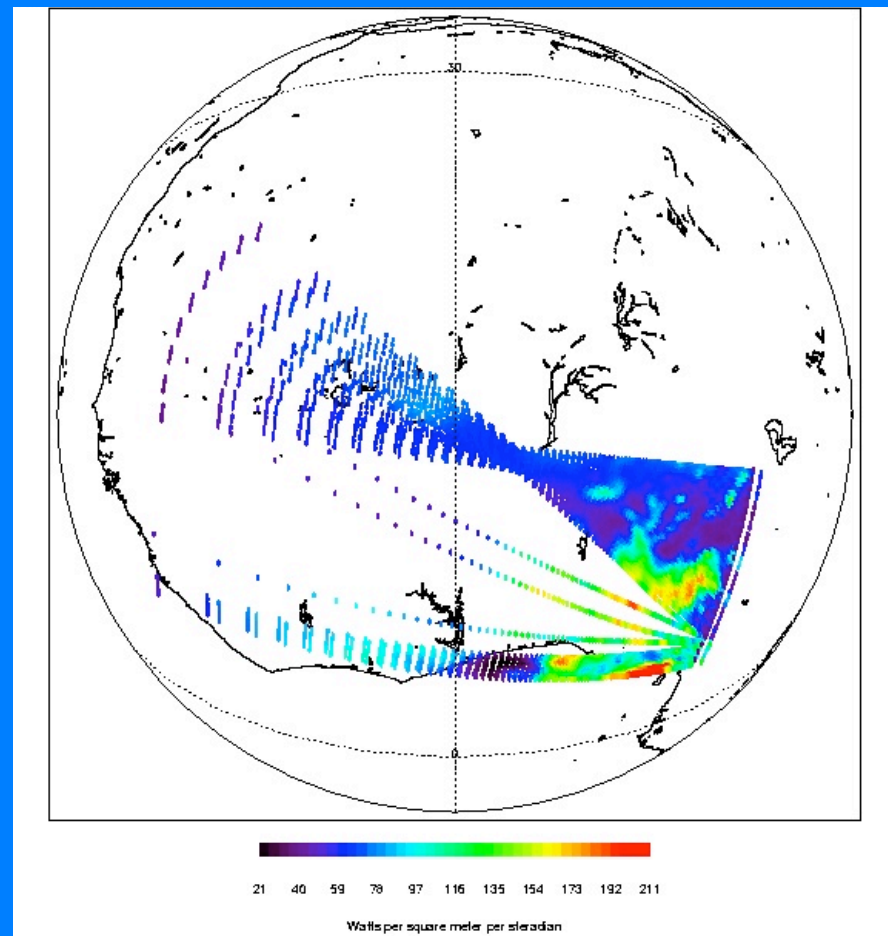
10:51 (GMT) on 07/26/2006



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CERES Special Operations over Niamey

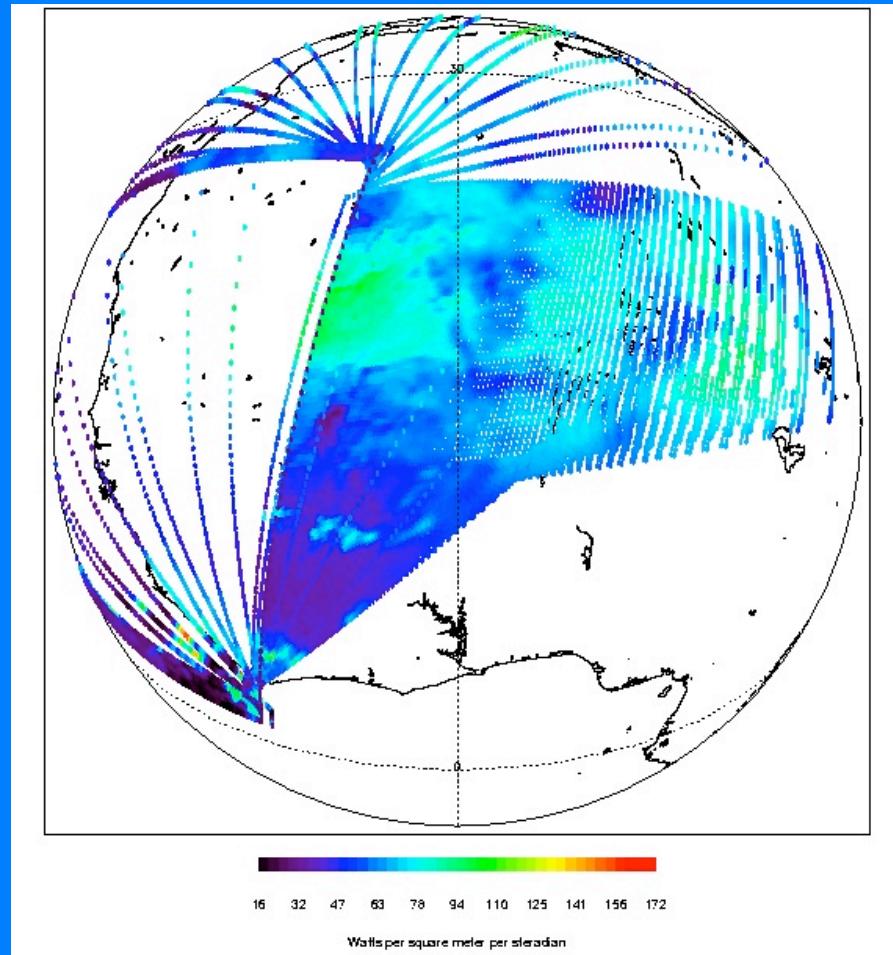
10:28 on 07/13/06



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CERES Special Operations over Niamey

10:54 on 11/22/06

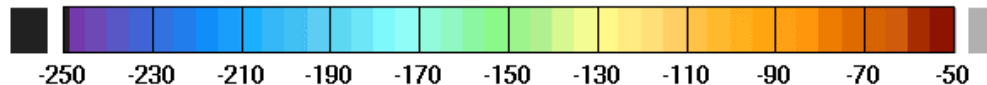
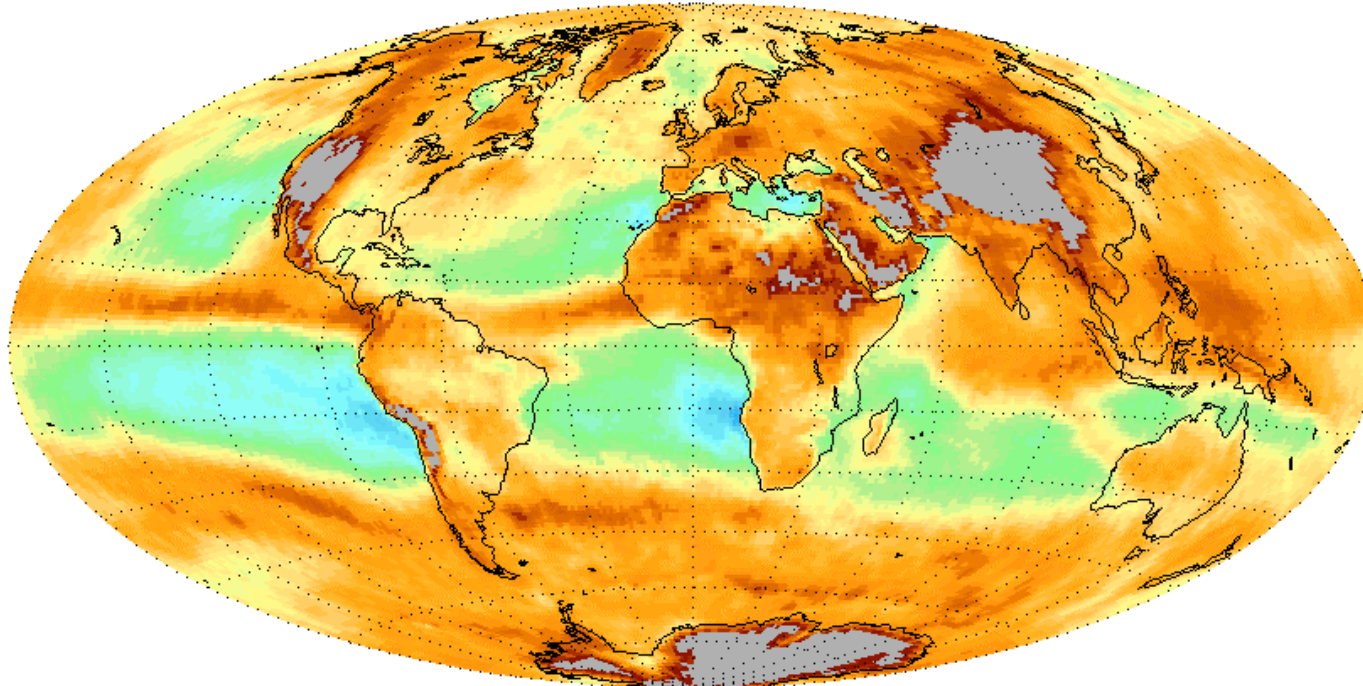


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LW Divergence: Surface to 500 hPsc

July 2000

Sfc 500hPa Flux Convergence LW Full Sky
CER_FSWB_Terra-FM1-MODIS_Edition2C_019023.200007
200007.all



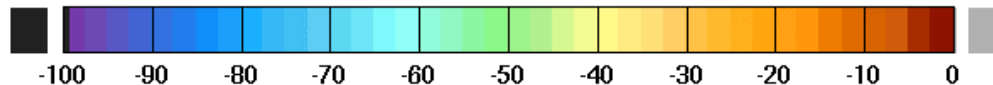
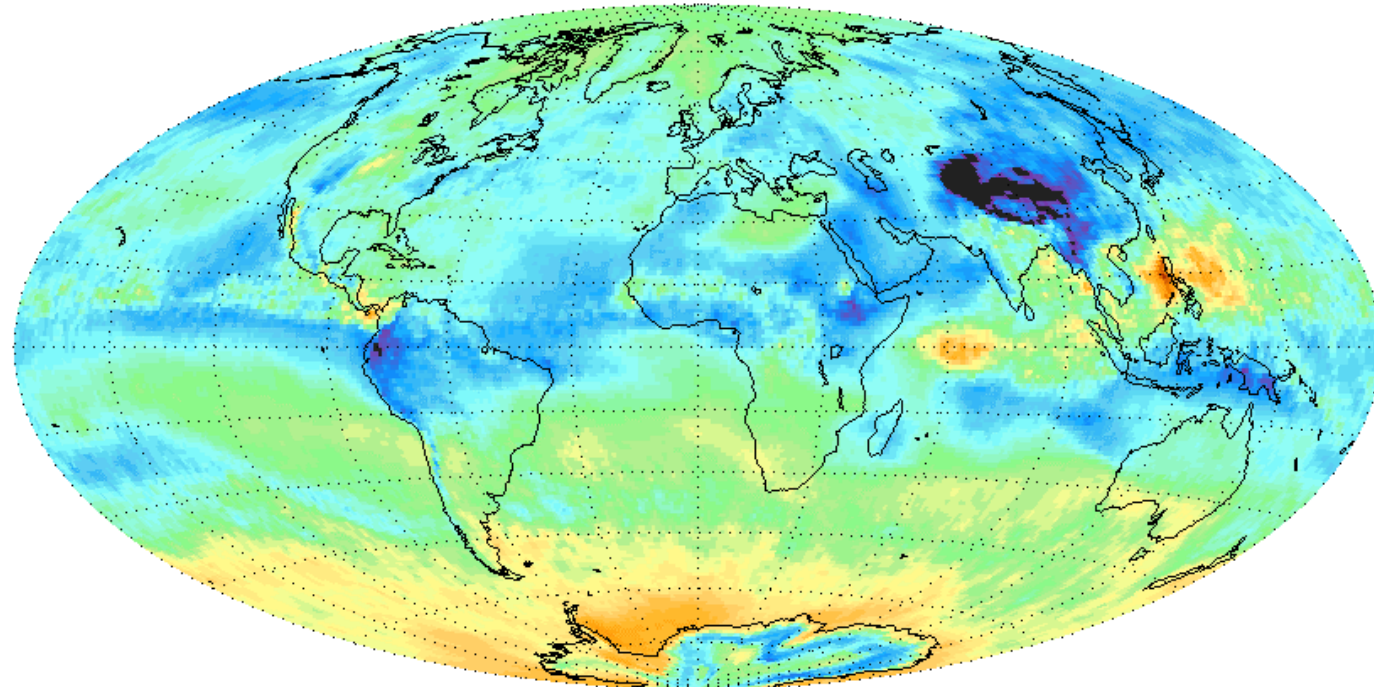
Mean = -108.11
Stddev = 31.46

CERES SET
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LW Divergence: 500 to 200hPsc

July 2000

500_200hPa Flux Convergence LW Full Sky
CER_FSWB_Terra-FM1-MODIS_Edition2C_019023.200007
200007.all



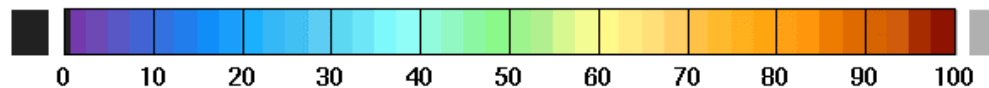
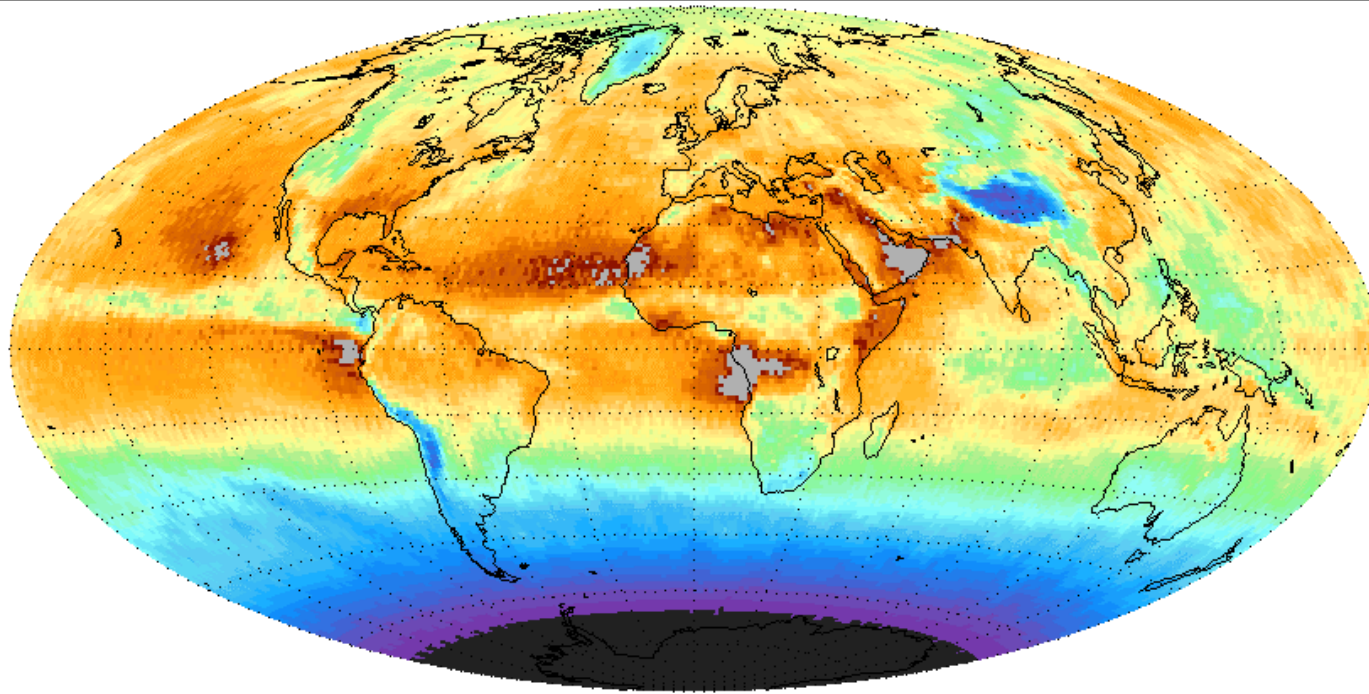
Mean = -57.66
Stddev = 12.94

CERES SET
24-26 April 2007 Newport News

SW Divergence: Surface to 500 hPsc

July 2000

Sfc 500hpa Flux Convergence SW Full Sky
CER_FSWB_Terra-FM1-MODIS_Edition2C_019023.200007
200007.all



Mean = 54.65
Stddev = 25.36

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Plans

- Aerosol data are expected to arrive this summer.
- SARB computations can then proceed.
- Radiance computations will be made to compare with Special Operation CERES Radiance data.

Note that SARB has made flux comparisons at a number of BSRN sites. These are available on-line